Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/01/2022 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123017	-2	5.21	122849	5.37
Blue	F	SSC	125000	123006	-2	5.59	123541	5.69
Blue	E	FITC	13602	13163	-4	5.41	368	15.00
Blue	D	PE	24891	24254	-3	5.39	576	12.17
Blue	B	PerCP-Cy5-5	33972	32741	-4	6.00	936	16.12
Blue	A	PE-Cy7	22865	22233	-3	8.19	461	33.15
Red	C	APC	47198	46233	-3	4.80	1601	12.40
Red	A	APC-Cy7	26454	25365	-5	5.76	716	13.73
Violet	B	V450	6737	6391	-6	6.39 (1)	451	13.27
Violet	A	V500	29317	27728	-6	6.16	950	10.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23579	5.88	542	7	N/A	N/A	Pass
Blue	F	SSC	54043	5.61	520	-1	N/A	N/A	Pass
Blue	E	FITC	54	58.52	490	6	0.0391	174	Pass
Blue	D	PE	110	42.36	493	7	0.3639	333	Pass
Blue	B	PerCP-Cy5-5	144	44.04	586	7	0.0189	98	Pass
Blue	A	PE-Cy7	74	85.53	632	11	0.0195	0	Pass
Red	C	APC	330	27.01	577	5	0.0265	176	Pass
Red	A	APC-Cy7	131	37.41	555	4	0.0058	1440	Pass
Violet	B	V450	75	50.96	445	-5	0.0466	2233	Pass
Violet	A	V500	110	33.48	464	-5	0.0226	880	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.63	-31.24	1.19
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.29	13.90 - 20.86	N/A	N/A	29.65	29.92	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12806

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments